

(57) Abstract: The present invention relates to real-time adaptive control for best Integrated Circuit (IC) performance. The adaptive behavior is carried out on a local basis. The system is partitioned into different islands (30). Each island (30) is controlled and its working conditions are modified depending on some parameters. The remainder of the chip is controlled as well, depending on other parameters. This requires that each island (30) has a local controller (36) communicating with a global controller (42). The main control parameters are e.g. supply voltage, threshold voltage and clock frequency.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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